

What is claimed is:

1. A method for making artificial snow comprising the steps of:

mixing water with a drag reducing polymer to form an aqueous solution;

aerating said aqueous solution; and

freezing said aerated aqueous solution to form snow crystals.

2. The method as claimed in claim 1 wherein said drag reducing polymer solution comprises polyethylene oxide in a carrier solution.

3. The method as claimed in claim 2 wherein said carrier solution includes glycerin and isopropanol.

4. The method as claimed in claim 1 wherein said drag reducing polymer includes polyethylene oxide particles having a diameter less than about 20 microns.

5. The method as claimed in claim 4 wherein the concentration of said polyethylene oxide in said carrier solution is about 20 to about 30 percent by weight.

6. The method as claimed in claim 1 wherein the concentration of said drag reducing polymer in said water is approximately about 30 to about 100 weight parts per million (WPPM).

7. A snow making system comprising:

a water source;

a drag reducing polymer source;

mixing means joined to said water source and said drag
reducing polymer source for mixing said polymer in
said water;

a pump joined to said mixing means;

a fluid transfer line joined to said pump; and

a snow making nozzle joined to said fluid transfer line.

202507280001

8. The snow making system as claimed in claim 7 wherein said drag reducing polymer comprises polyethylene oxide in a carrier solution.

9. The snow making system as claimed in claim 8 wherein said carrier solution includes glycerin and isopropanol.

10. The snow making system as claimed in claim 8 wherein said polyethylene oxide has a particle diameter less than 20 microns.

11. The snow making system as claimed in claim 8 wherein said polyethylene oxide in said carrier solution is at a concentration of 20 to 30 percent by weight.

12. The snow making system as claimed in claim 7 wherein said drag reducing polymer in said water is at a concentration of 30 to 100 weight parts per million (WPPM).

13. The snow making system as claimed in claim 7 wherein said mixing means includes a venturi.

14. The snow making system as claimed in claim 7 wherein said drag reducing polymer source further includes a polymer pump to transfer said polymer to said mixing means.

15. The snow making system as claimed in claim 7 wherein said drag reducing polymer source further includes compressed air applied to said drag reducing polymer source to transfer said polymer to said mixing means.

16. The snow making system as claimed in claim 7 further comprising compressed air connected to said snow making nozzle.